

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX060820\
 Data File : VX016649.D
 Acq On : 08 Jun 2020 19:50
 Operator : JC/SP
 Sample : L2946-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PURGE

Quant Time: Jun 09 05:48:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	217238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	341170	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	339390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	176225	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	128922	47.79	ug/l	0.00
Spiked Amount			Recovery	=	95.58%	
35) Dibromofluoromethane	5.46	113	105338	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
50) Toluene-d8	8.70	98	421608	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	11.12	95	169173	53.55	ug/l	0.00
Spiked Amount			Recovery	=	107.10%	

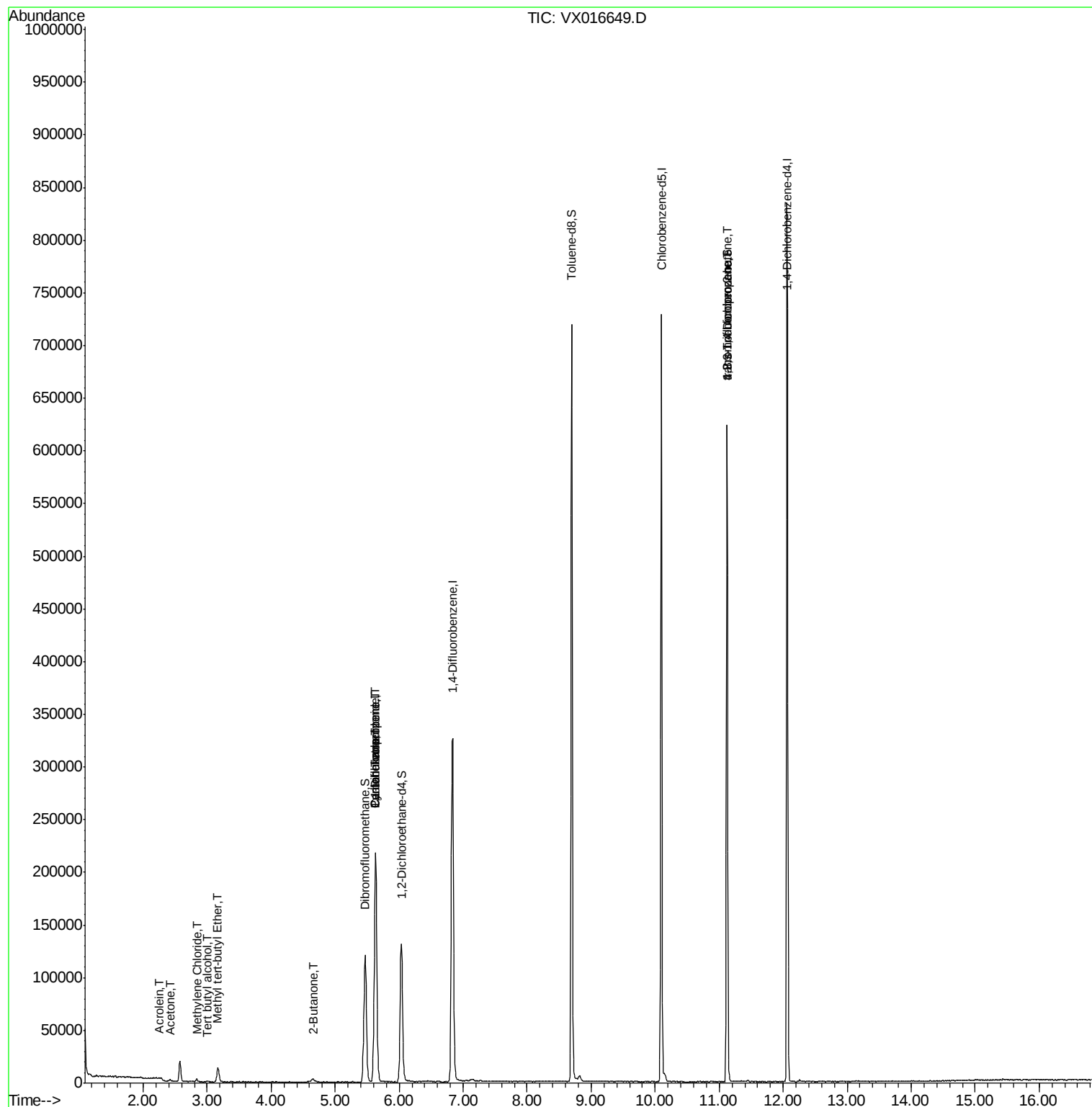
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.00	59	632	0.91	ug/l #	72
13) Acrolein	2.25	56	129	0.44	ug/l #	1
16) Acetone	2.42	43	1674	1.42	ug/l	91
19) Methyl tert-butyl Ether	3.17	73	16281	2.17	ug/l	95
20) Methylene Chloride	2.84	84	1156	0.47	ug/l	92
25) 2-Butanone	4.66	43	489	0.24	ug/l	95
31) Cyclohexane	5.63	56	3606	0.96	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	14699	4.55	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20578	6.06	ug/l #	18
76) 1,2,3-Trichloropropane	11.12	75	81924	21.15	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	81924	52.03	ug/l #	14

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

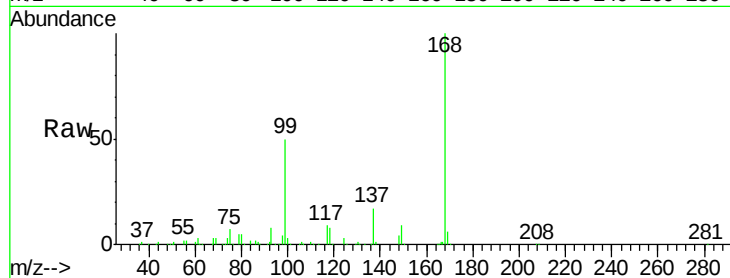
PURGE

Tgt Ion:168 Resp: 217238

Ion Ratio Lower Upper

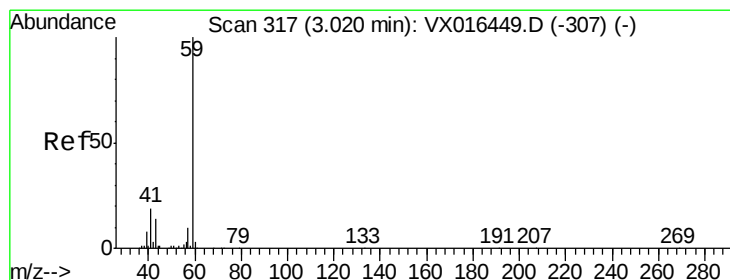
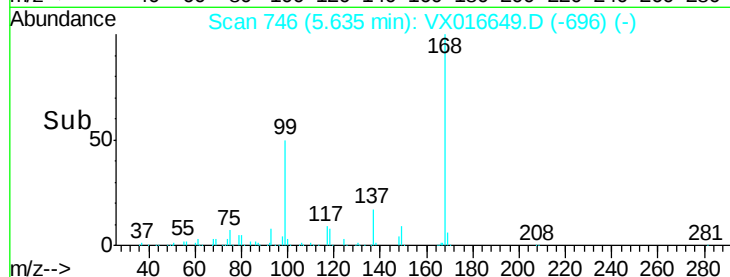
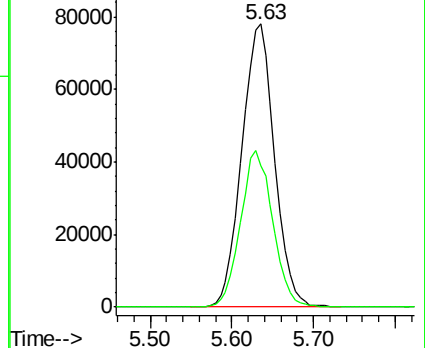
168 100

99 50.1 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.91 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016649.D

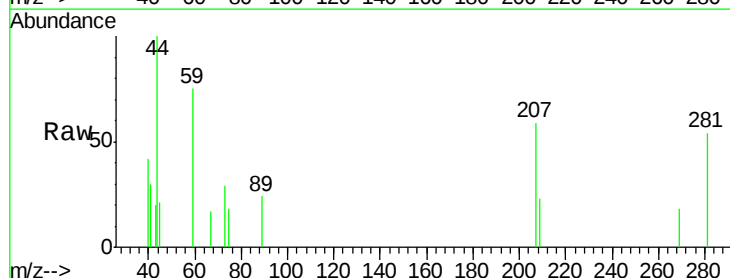
Acq: 08 Jun 2020 19:50

Tgt Ion: 59 Resp: 632

Ion Ratio Lower Upper

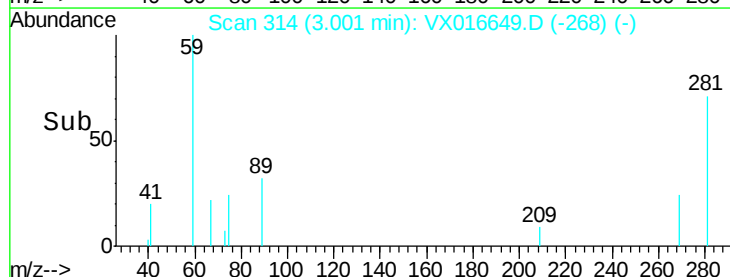
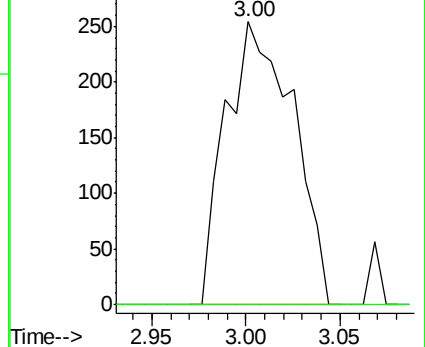
59 100

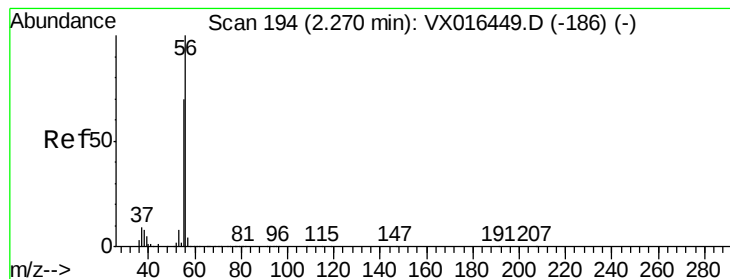
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.44 ug/l

RT: 2.25 min Scan# 191

Delta R.T. -0.02 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

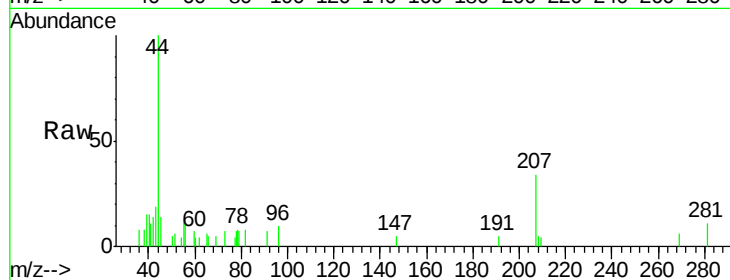
PURGE

Tgt Ion: 56 Resp: 129

Ion Ratio Lower Upper

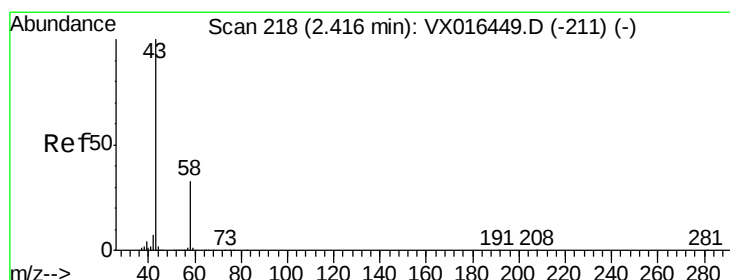
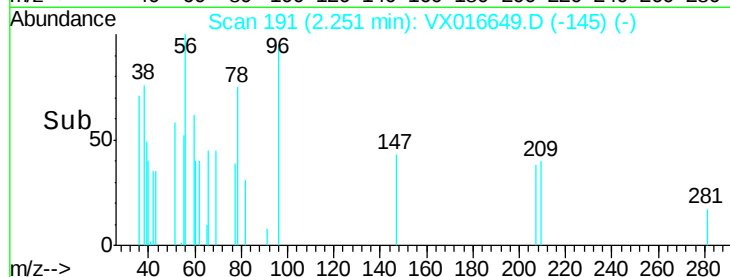
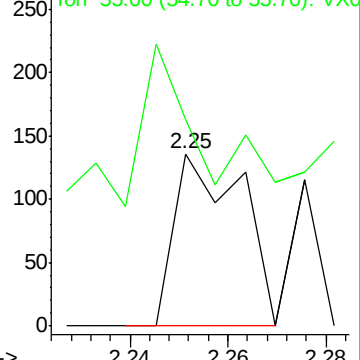
56 100

55 433.3 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 1.42 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016649.D

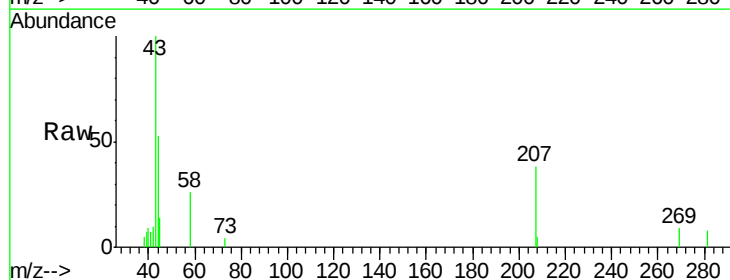
Acq: 08 Jun 2020 19:50

Tgt Ion: 43 Resp: 1674

Ion Ratio Lower Upper

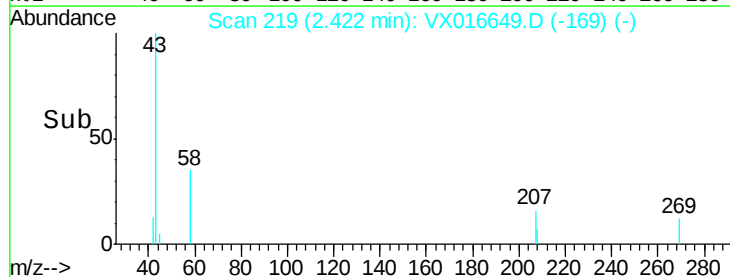
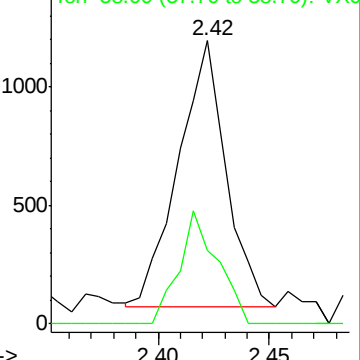
43 100

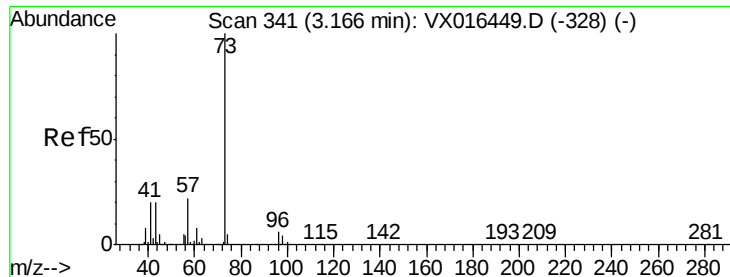
58 27.7 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#19

Methyl tert-butyl Ether

Concen: 2.17 ug/l

RT: 3.17 min Scan# 341

Delta R.T. -0.00 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

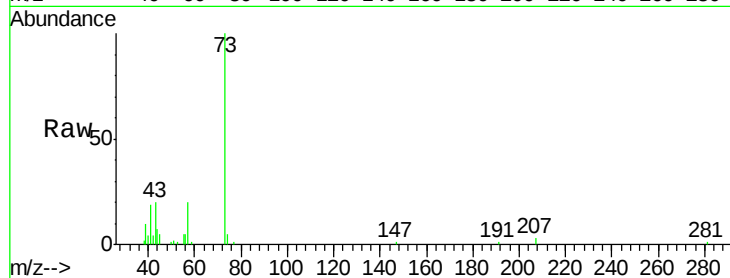
PURGE

Tgt Ion: 73 Resp: 16281

Ion Ratio Lower Upper

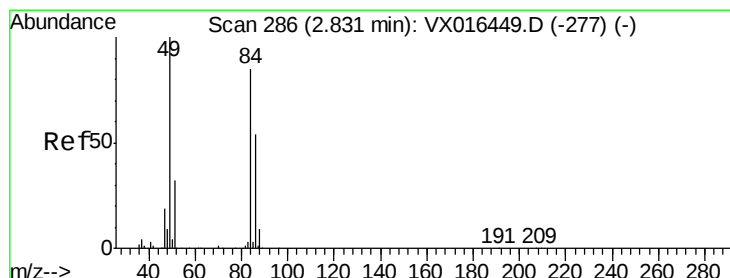
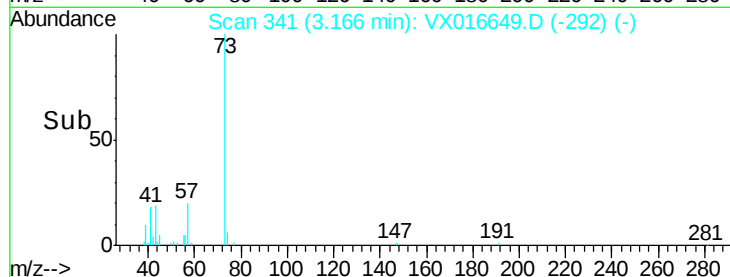
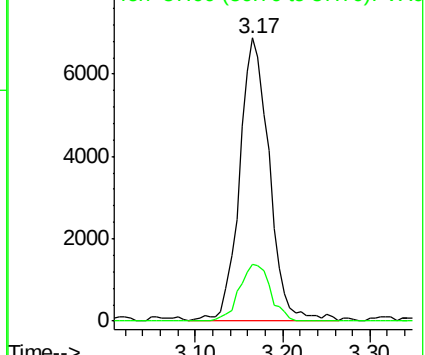
73 100

57 19.9 17.8 26.6



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#20

Methylene Chloride

Concen: 0.47 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.01 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Tgt Ion: 84 Resp: 1156

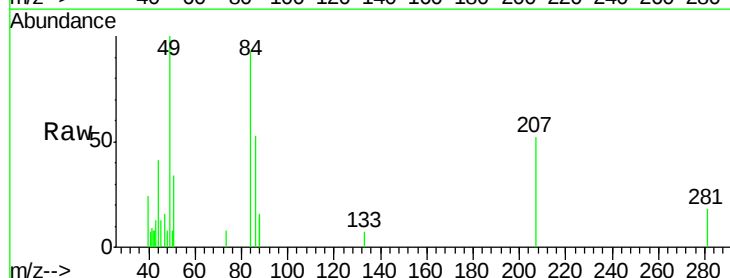
Ion Ratio Lower Upper

84 100

49 107.0 94.5 141.7

51 36.6 30.2 45.4

86 57.1 51.1 76.7

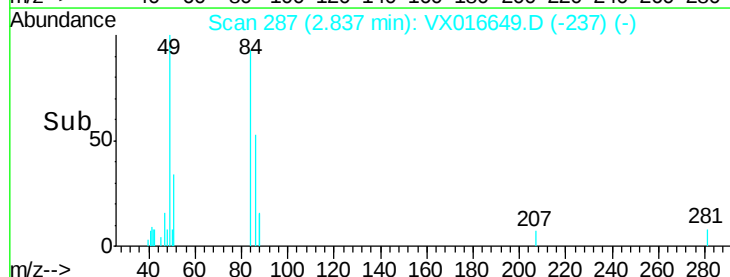
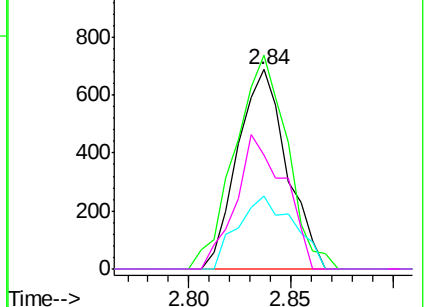


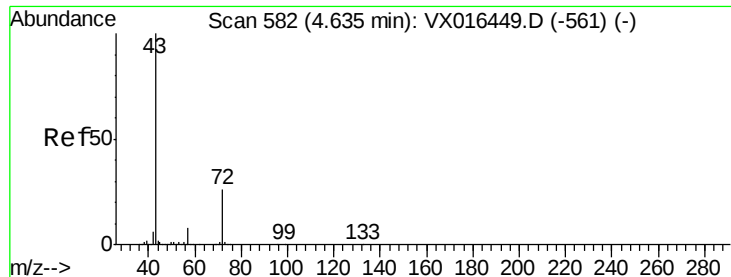
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.24 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

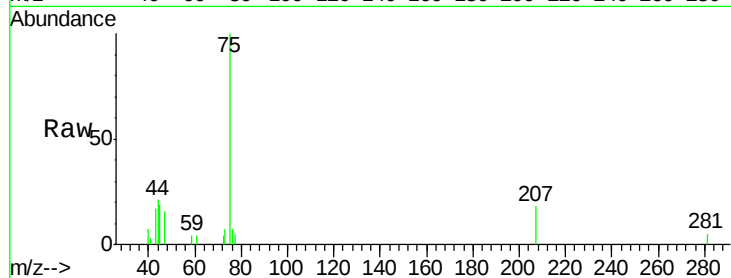
PURGE

Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

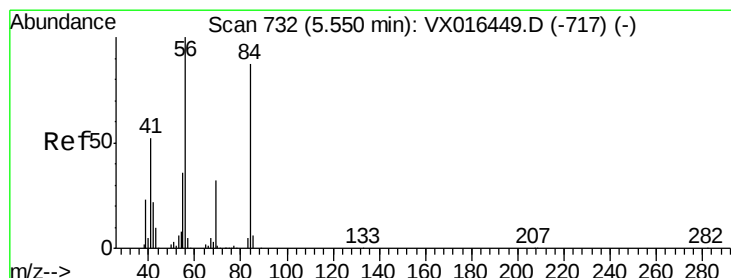
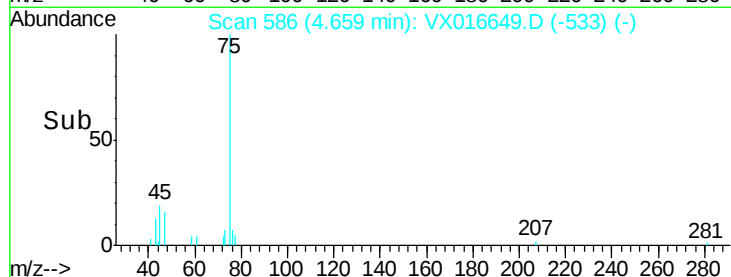
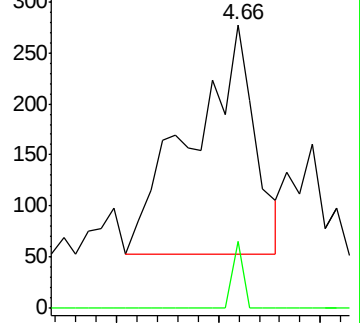
43 100

72 28.8 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

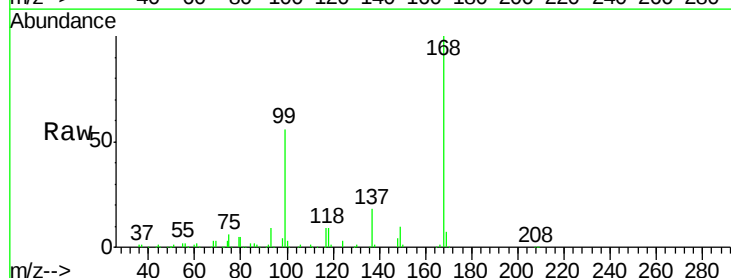
Tgt Ion: 56 Resp: 3606

Ion Ratio Lower Upper

56 100

69 202.6 25.7 38.5#

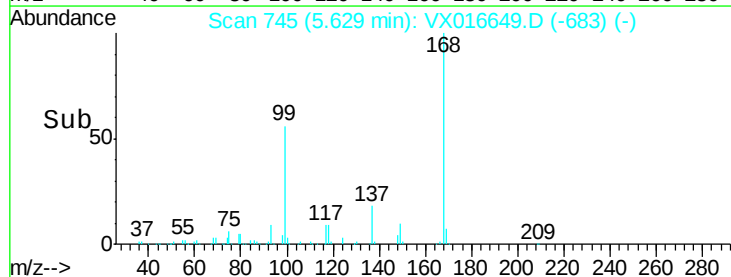
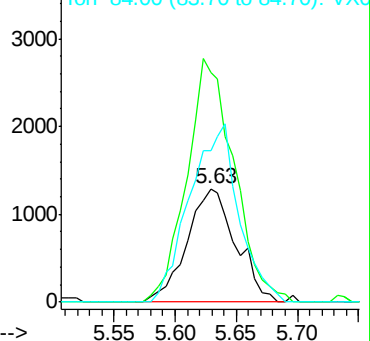
84 133.8 70.0 105.0#

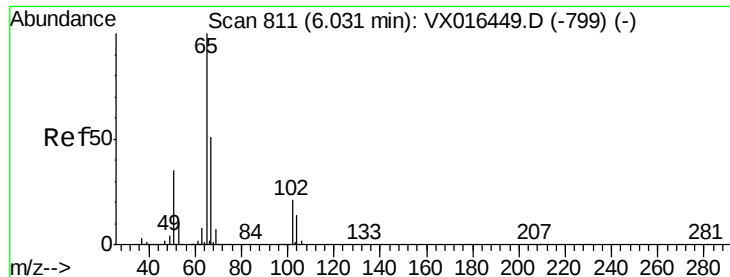


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

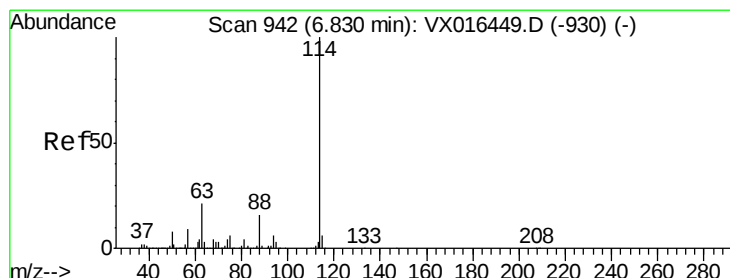
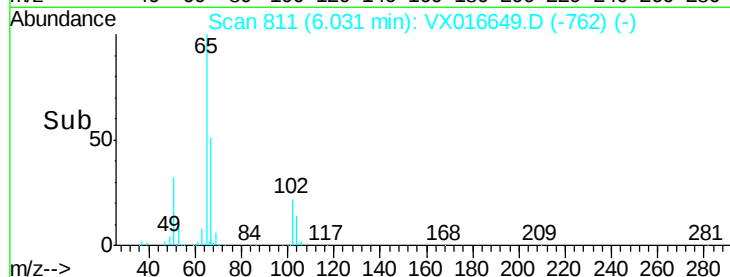
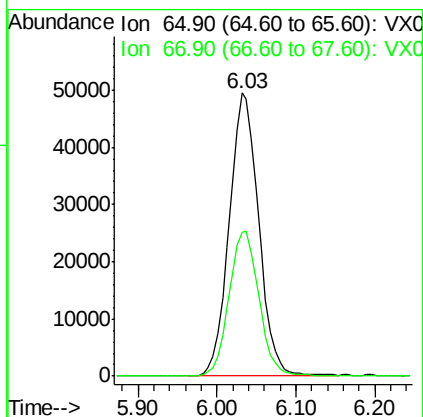
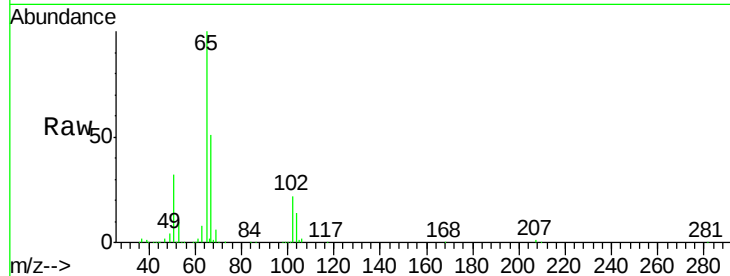




#33
 1,2-Dichloroethane-d4
 Concen: 47.79 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016649.D
 Acq: 08 Jun 2020 19:50

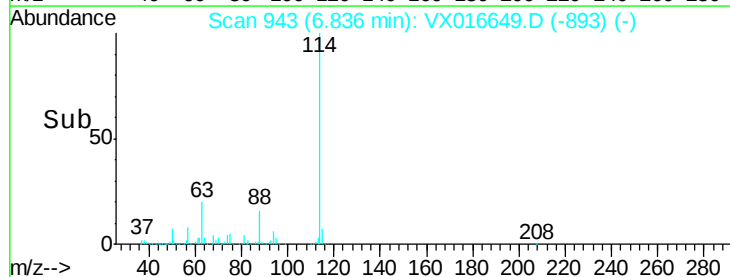
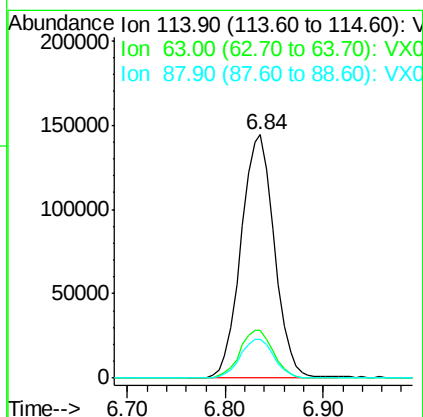
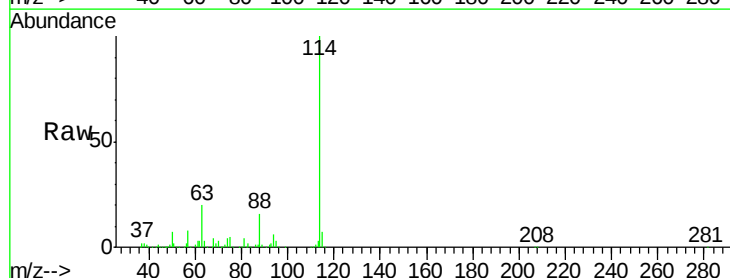
Instrument :
 MSVOA_X
 ClientSampled :
 PURGE

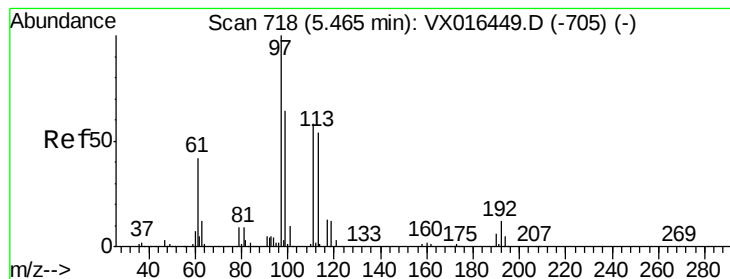
Tgt Ion: 65 Resp: 128922
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016649.D
 Acq: 08 Jun 2020 19:50

Tgt Ion: 114 Resp: 341170
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.6
 88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.14 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PURGE

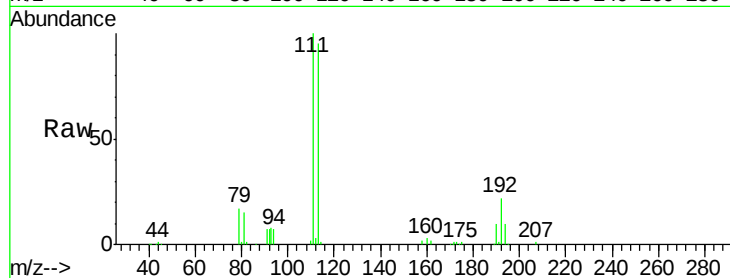
Tgt Ion:113 Resp: 105338

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

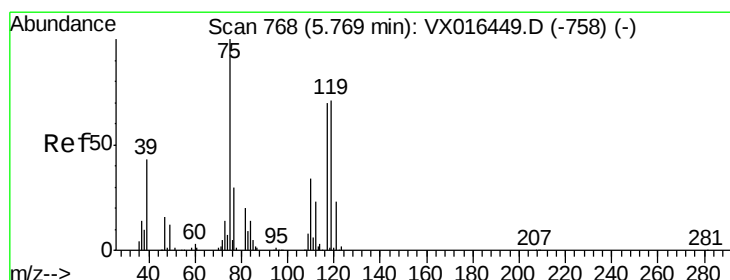
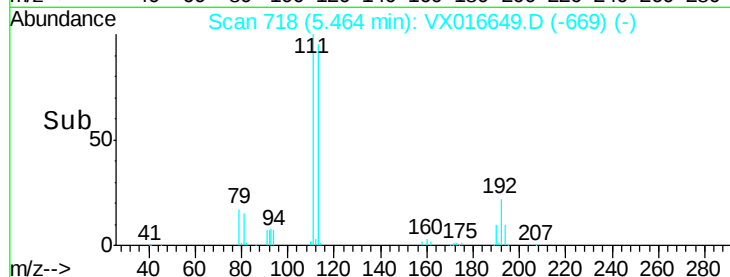
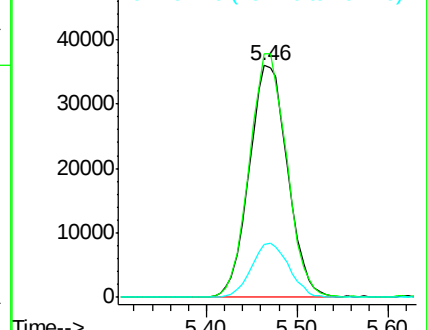
192 22.9 17.7 26.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.55 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

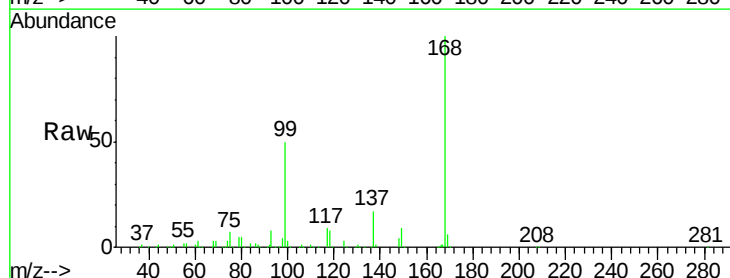
Tgt Ion: 75 Resp: 14699

Ion Ratio Lower Upper

75 100

110 10.3 17.4 52.3#

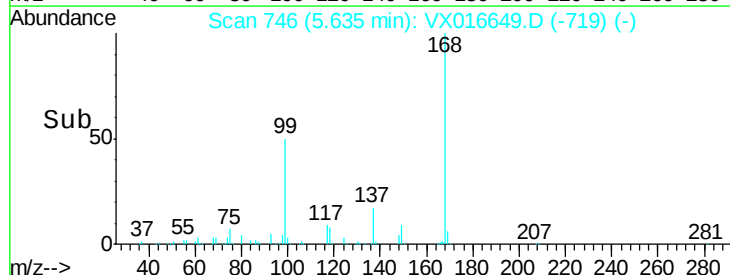
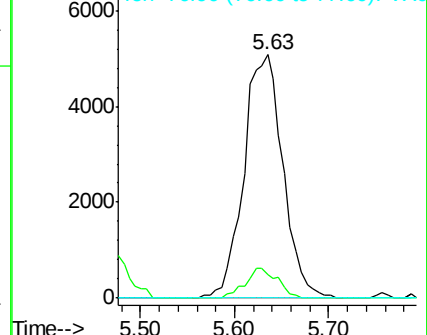
77 0.0 24.2 36.4#

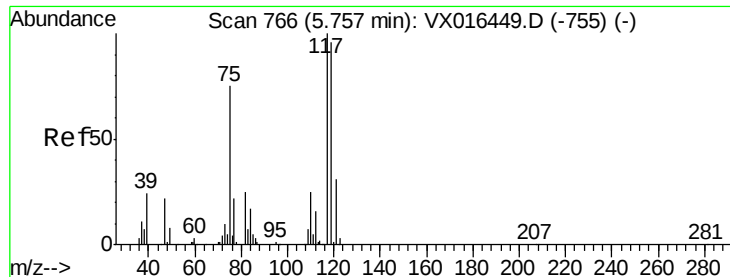


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.06 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PURGE

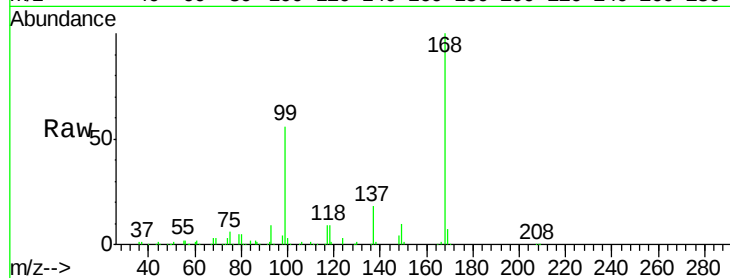
Tgt Ion:117 Resp: 20578

Ion Ratio Lower Upper

117 100

119 6.9 76.3 114.5#

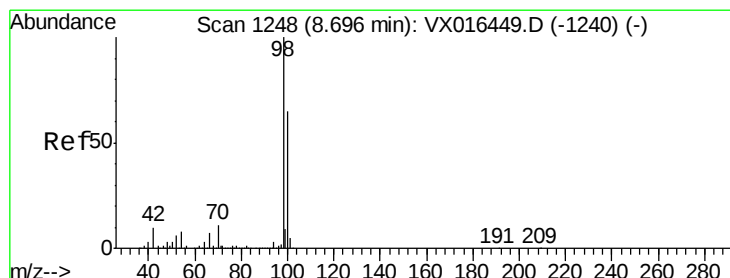
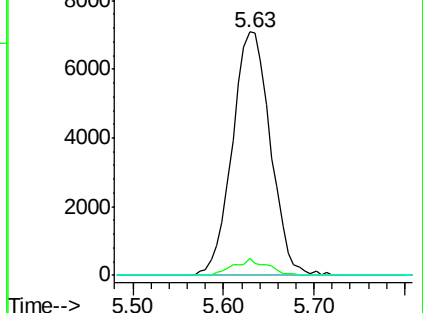
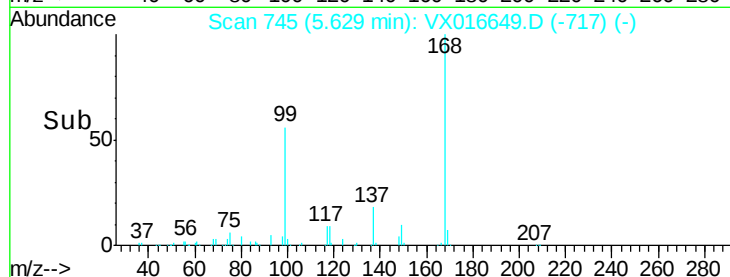
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 51.56 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016649.D

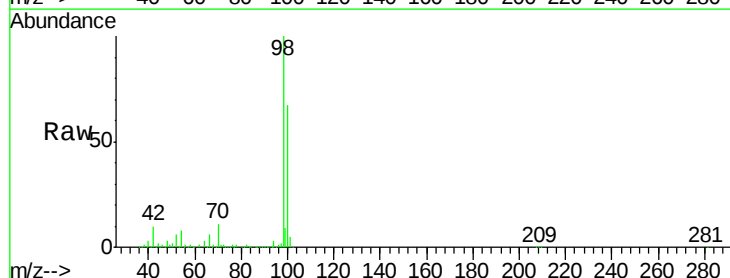
Acq: 08 Jun 2020 19:50

Tgt Ion: 98 Resp: 421608

Ion Ratio Lower Upper

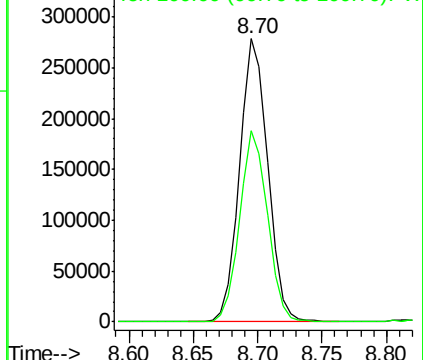
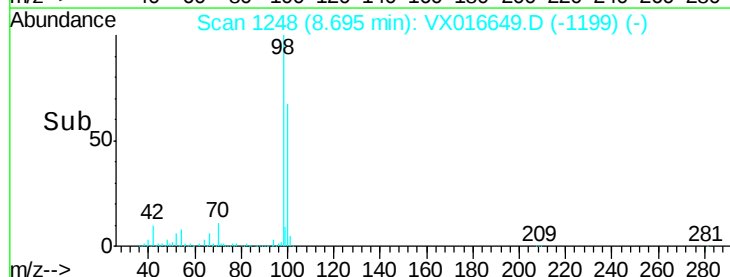
98 100

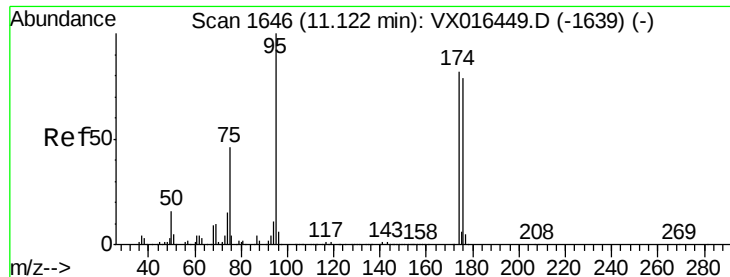
100 66.7 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 53.55 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampleId :

PURGE

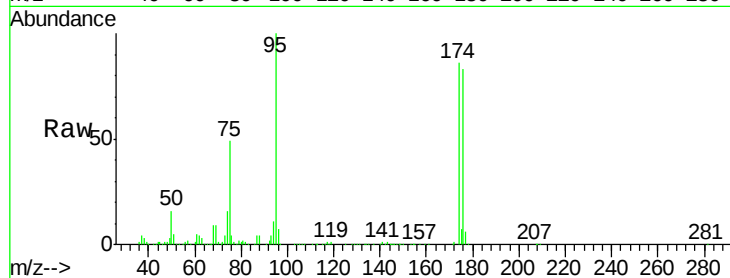
Tgt Ion: 95 Resp: 169173

Ion Ratio Lower Upper

95 100

174 83.5 0.0 163.0

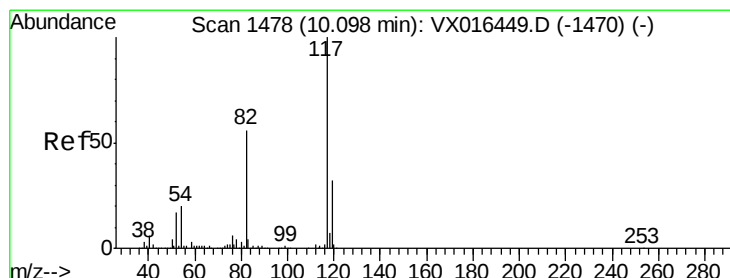
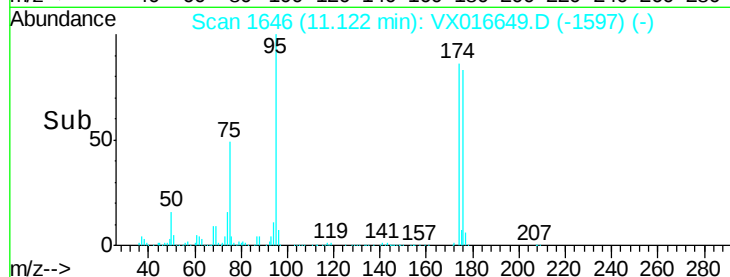
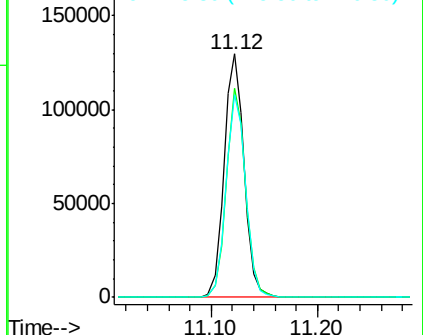
176 82.8 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

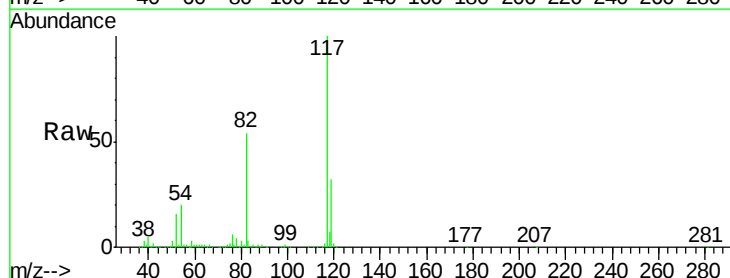
Tgt Ion: 117 Resp: 339390

Ion Ratio Lower Upper

117 100

82 54.5 45.0 67.6

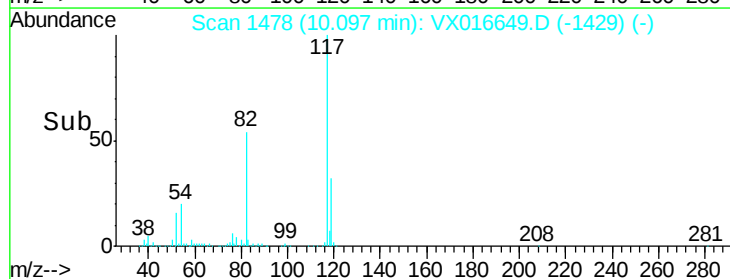
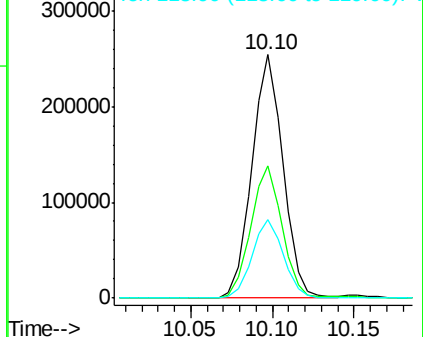
119 32.2 25.8 38.8

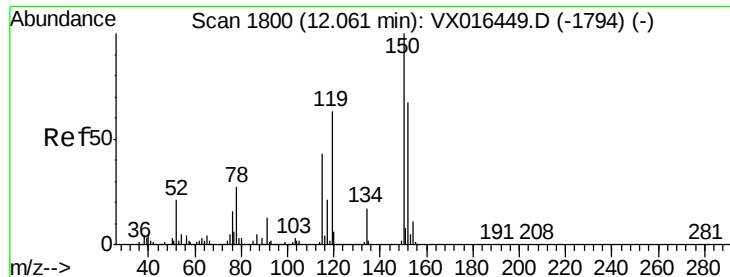


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016649.D

Acq: 08 Jun 2020 19:50

Instrument :

MSVOA_X

ClientSampled :

PURGE

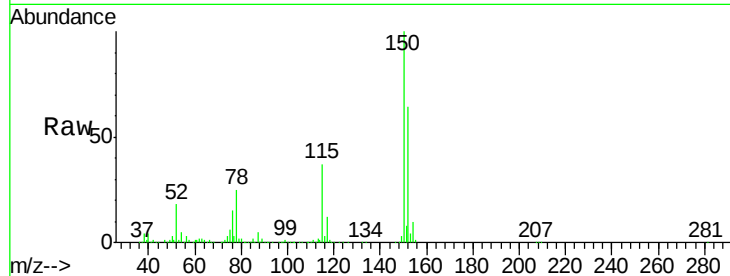
Tgt Ion: 152 Resp: 176225

Ion Ratio Lower Upper

152 100

115 59.0 39.9 119.6

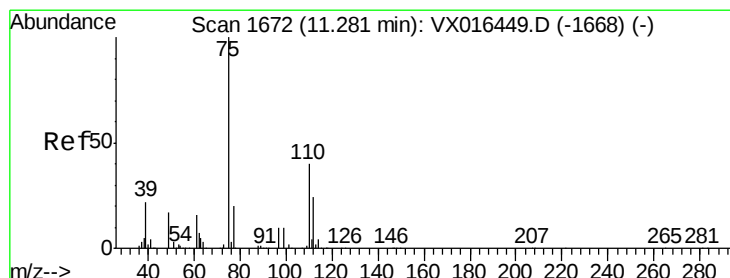
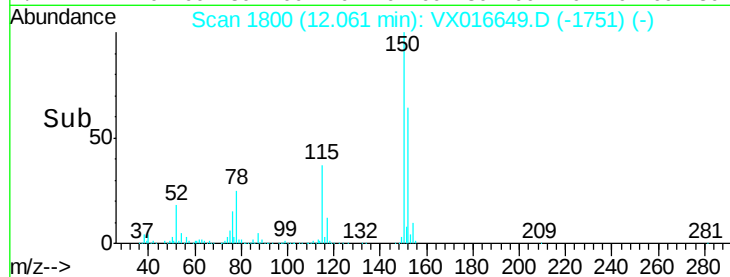
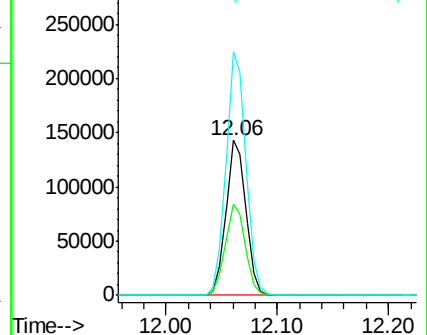
150 157.5 0.0 341.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.15 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016649.D

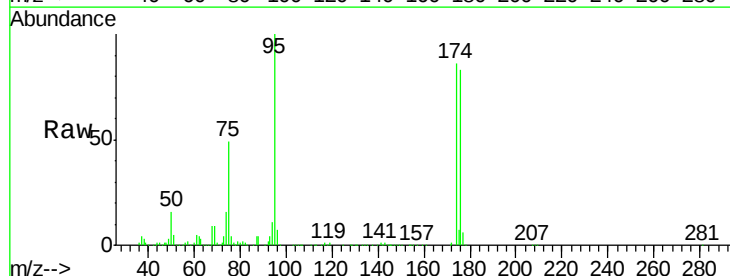
Acq: 08 Jun 2020 19:50

Tgt Ion: 75 Resp: 81924

Ion Ratio Lower Upper

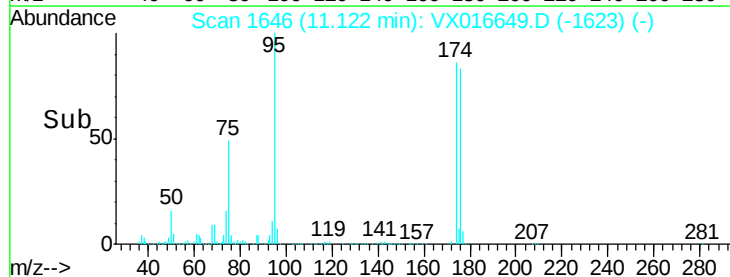
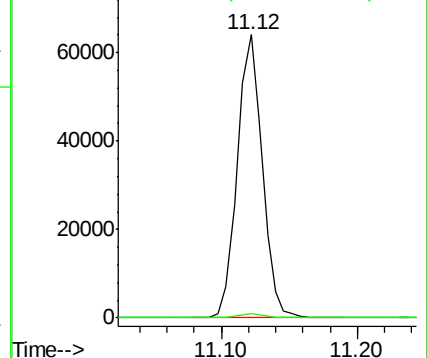
75 100

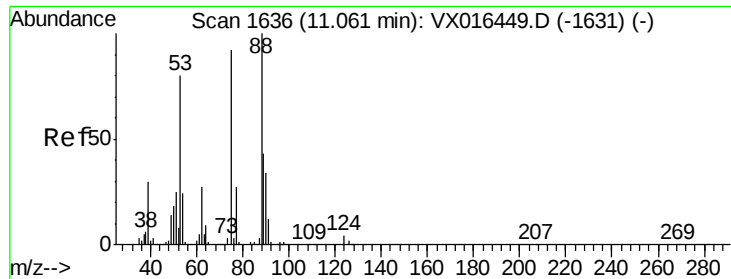
77 1.4 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 52.03 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016649.D
 Acq: 08 Jun 2020 19:50

Instrument :
 MSVOA_X
 ClientSampleId :
 PURGE

Tgt Ion: 75 Resp: 81924
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#

